

CLAIMS

What I claim is:

- SUB A17
1. A method of maintaining databases in synchronism with software applications which support the databases in relation to installations, the method comprising the steps of :
- obtaining a table schema employable by a database supported by a version of a software application;
- synchronizing the table schema implemented by the database to conform with the table schema employable by the database;
- wherein the synchronizing is in association with an installation of the version of the software application.
2. The method according to claim 1, further comprising storing the table schema employable by the database in a configuration file.
3. The method according to claim 2, wherein the file is provided in a markup language including database representation table data associated with the version of the software application.

4. The method according to claim 2, further comprising determining that the table schema employable by the database conflicts with a table schema implemented by the database.

5 5. The method according to claim 4, wherein determining that the table schema employable by the database conflicts with the table schema implemented by the database includes reading the configuration file.

10 6. The method according to claim 5, wherein determining that the table schema employable by the database conflicts with the table schema implemented by the database includes examining the table schema implemented by the database.

15 7. The method according to claim 6, wherein determining that the table schema employable by the database conflicts with the table schema implemented by the database includes identifying schema data in the table schema employable by the database required in the table schema implemented by the database.

8. The method according to claim 7, wherein synchronizing the table schema implemented by the database to conform with the table schema employable by

the database includes adding the schema data to the schema implemented by the database.

9. The method according to claim 8, further comprising performing an update
5 installation of the software application.

10. The method according to claim 1, wherein synchronizing the table schema
implemented by the database to conform with the table schema employable by
the database includes creating schema data in the table schema implemented by
10 the database according to the schema employable by the database.

11. The method according to claim 10, further comprising performing an initial
installation of the software application.

12. A system for maintaining databases in synchronism with software
applications which support the databases in relation to installations, the method
comprising the steps of :

a first interface operable to obtain a table schema employable by a database supported by a version of a software application;

a script maker operable to synchronize the table schema implemented by the database to conform with the table schema employable by the database;

wherein the synchronizing is in association with an installation of the version of the software application.

13. The system according to claim 12, further comprising a configuration file operable to store the table schema employable by the database.

14. The system according to claim 13, wherein the configuration file is provided in a markup language including database representation table data associated with the version of the software application.

15. The system according to claim 13, further comprising a difference algorithm operable to determine that the table schema employable by the database conflicts with a table schema implemented by the database.

16. The system according to claim 15, wherein the difference algorithm is operable to read the configuration file.

17. The system according to claim 16, wherein the difference algorithm is operable to examine the table schema implemented by the database.

18. The system according to claim 17, wherein the difference algorithm is operable to identify schema data in the table schema employable by the database required in the table schema implemented by the database.

19. The system according to claim 18, wherein the script maker is operable to add the schema data to the schema implemented by the database.

20. The system according to claim 19, wherein an update installation of the software application is performed.

21. The system according to claim 12, wherein the script make is operable to create schema data in the table schema implemented by the database according to the schema employable by the database.

5 22. The system according to claim 21, wherein an initial installation of the software application is performed.

23. A computer program product for maintaining databases in synchronism with software applications which support the databases in relation to installations,
10 the computer program product comprising:

a computer readable medium; and

computer program instructions, recorded on the computer readable medium, executable by a processor, for performing the steps of:

15 obtaining a table schema employable by a database supported by a version of a software application; and

synchronizing the table schema implemented by the database to conform with the table schema employable by the database;

wherein the synchronizing is in association with an installation of the version of the software application.

24. The computer program product according to claim 23, further comprising computer program instruction for storing the table schema employable by the database in a configuration file.

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25. The computer program product according to claim 24, wherein the file is provided in a markup language including database representation table data associated with the version of the software application.

10 26. The computer program product according to claim 24, further comprising computer program instruction for determining that the table schema employable by the database conflicts with a table schema implemented by the database.

15 27. The computer program product according to claim 26, wherein determining that the table schema employable by the database conflicts with the table schema implemented by the database includes reading the configuration file.

28. The computer program product according to claim 27, wherein determining that the table schema employable by the database conflicts with the table schema

implemented by the database includes examining the table schema implemented by the database.

29. The computer program product according to claim 28, wherein determining that the table schema employable by the database conflicts with the table schema implemented by the database includes identifying schema data in the table schema employable by the database required in the table schema implemented by the database.

30. The computer program product according to claim 29, wherein synchronizing the table schema implemented by the database to conform with the table schema employable by the database includes adding the schema data to the schema implemented by the database.

31. The computer program product according to claim 30, further comprising computer program instruction for performing an update installation of the software application.

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32. The computer program product according to claim 23, wherein synchronizing the table schema implemented by the database to conform with the table schema employable by the database includes creating schema data in the table schema implemented by the database according to the schema employable by the database.

33. The computer program product according to claim 32, further comprising computer program instruction for performing an initial installation of the software application.

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